

# **GOLF BAG**

## **FIELD OF THE INVENTION**

[0001] The present invention is related to an assistant apparatus for golf game, and more particularly to golf bags.

## **BACKGROUND OF THE INVENTION**

[0002] At present, golf game is very popular in the whole world, accordingly, golf equipments have been developed quickly in the last few years. More and more attention has also been paid to golf bags which are used to retain various golf equipments.

[0003] A conventional golf bag, generally comprises a bag body, a tilting device and a support bracket. The tilting device includes a fixed leg and steel wires extending from its top. The fixed leg has a support foot at its bottom end, the support foot can move relative to the bag body. The support bracket connects with the bag body and the steel wires by a plurality of pivots. Because of the setting of the support foot, a chamfer accordingly forms at the bottom of the bag body to ensure that the support foot can move freely. Thus, the golf bag keeps stable through the support foot and the base of the bag body when the golf bag is vertically placed; when the golf bag is placed slantways, the fixed leg moves upwards to push the steel wires to unfold the support bracket. At the time, the golf bag keeps balance by the support foot and the support bracket.

[0004] However, firstly, because the golf bag has a chamfer formed at the bottom of the bag body, so its appearance has not a feeling of whole. Secondly, the golf bag can not keep stable when it is placed vertically or

slantways for the following reasons: 1. Because the bag body of the golf bag has a chamfer formed at its bottom, so the area of the base of the bag body become smaller, and the contacting area of the bag body with the ground also becomes smaller so that the golf bag can not keep a very stable status; 2. In addition, the golf bag is even unstable when placed slantways because there is only a plurality of point thereon contacting with the ground.

[0005] Hence it is desired to provide a golf bag which can overcome the foregoing drawbacks of the prior art.

## SUMMARY OF THE INVENTION

[0006] A main object of the present invention is to provide a golf bag with a good appearance which is very stable when positioned vertically and slantways.

[0007] To achieve the above-mentioned object, a golf bag of the present invention comprises a bag body, a tilting device, and a support bracket. The bag body has an inner storage rack which comprises a top frame, a middle frame, a bottom frame, a plurality of support rod provided between the top frame and the middle frame and a joint block for stably coupling the middle frame and the bottom frame. The tilting device comprises a fixed leg and a pair of steel wires extending therefrom, the fixed leg having a moveable shank therein, a notch formed in the upper portion of the moveable shank and a support feet formed at the lower portion thereof to push the moveable shank to move up and down relative to the fixed leg.

The middle frame have a  $\Sigma$ -shaped frame which can disengage with the notch through the push of the moveable shank.

[0008] In the present invention, the bottom frame has a flat bottom surface and there is a distance from the support foot to a bottom surface of the bottom frame. The  $\Sigma$ -shaped frame comprises an upper edge and a lower edge, and the  $\Sigma$ -shaped frame clasps the notch through the upper edge thereof. The upper edge of the  $\Sigma$ -shaped frame is released from the notch by using the moveable shank to push the bottom edge.

[0009] For the purpose of making the invention easier to understand, one particular embodiment thereof will now be described with reference to the appended drawings in which:

#### DESCRIPTION OF THE DRAWINGS

[0010] FIG. 1 is a schematic, perspective view of a golf bag of the present invention which is positioned slantways;

[0011] FIG. 2 is a schematic, perspective view of the golf bag of FIG. 1 which is positioned vertically;

[0012] FIG. 3 is a partial, enlarged view of the golf bag during it is positioned slantways;

[0013] FIG. 4 is a schematic view showing a relationship of a moveable shank with a  $\Sigma$ -shaped frame of the golf bag during it is positioned vertically; and

[0014] FIG. 4 is a schematic view showing a relationship of a moveable shank with a  $\Sigma$ -shaped frame of the golf bag during it is positioned slantways.

## DETAILED DESCRIPTION OF THE INVENTION

[0015] Referring now to the drawings in detail, FIGS. 1-3 show a golf bag according to an embodiment of the present invention. The golf bag comprises a bag body, a support bracket 2, and a tilting device. The bag body comprises an inner storage rack and an outer wrappage (not shown) to enclose the storage rack. The storage rack comprises a top frame 3, a middle frame 4, a bottom frame 5, support rods 41, 42, 43 provided between the top frame 3 and the middle frame 4, and a joint block 52 for stably coupling the middle frame 4 with the bottom frame 5. The top frame 3 is provided with a first pivot 31 and the bottom frame 5 has a flat bottom surface.

[0016] The tilting device comprises a fixed leg 9 and a pair of steel wires 7 extending therefrom. Referring to FIGS. 4-5, the fixed leg 9 has a moveable shank 8 therein, and a notch 91 is formed in an inner side of the moveable shank 8. The moveable shank 8 also has a support foot 51 at a bottom thereof, and the support foot 51 can push the moveable shank 8 to move up and down relative to the fixed leg 9. In the present invention, the bottom frame 5 connects with the fixed leg 9 by a pivot (not labeled), and there is a distance from the support foot 51 to a bottom surface of the bottom frame 5. The middle frame 4 includes a  $\Sigma$ -shaped frame 45 on a side thereof bordering upon the fixed leg 9, and the  $\Sigma$ -shaped frame 45 has an upper edge 451 and an lower edge 452.

[0017] The support bracket 2 is provided with two feet, the two feet are linked with the top frame 3 by a pivot 31. Each of the two feet has a pivot

21 in middle thereof, and through the pivots 21 the steel wires 7 connect with the support bracket 2.

[0018] In the present invention, when the golf bag is placed vertically, it can stand stably without the help of the support bracket 2 because the bottom surface of the bottom frame 5 is flat. At the time, the support foot 51 is suspended on the ground and the upper edge 451 of the  $\Sigma$ -shaped frame 45 is held in the notch 91.

[0019] Referring to FIGS. 4-5, when the golf bag of the present invention is required to be placed with the help of the support bracket 2, it only needs to tilt the bag body towards the direction of the support foot 51 until the support foot 51 contacts with the ground. After the support foot 51 contacts with the ground, it will push the moveable shank 8 to move upwards relative to the fixed leg 9 until a protrusion 81 of the moveable shank 8 contacts and subsequently pushes the lower edge 452 of the  $\Sigma$ -shaped frame 45, then under the push of the protrusion 81 the lower edge 452 drives the upper edge 451 to move outwards relative to the fixed leg 9, until the upper edge 451 is released from the notch 91. Thus, the fixed leg 9 disengages with the  $\Sigma$ -shaped frame 45, and then the  $\Sigma$ -shaped frame 45 slides downwards until the  $\Sigma$ -shaped frame 45 and the bottom frame 5 overlaps because the  $\Sigma$ -shaped frame 45 has nothing to support its bottom. At the same time, the fixed leg 9 is tilted along with the bag body to push the steel wires 7 to unfold the support bracket 2.

[0020] when recovering the golf bag to a vertical position, it is only required to tilt the bag body towards the opposite side of the support foot 51, then the middle frame 4 drives the  $\Sigma$ -shaped frame 45 to move upwards. Simultaneously, the fixed leg 9 is turned to the vertical direction

and draws the steel wires 7 to pull the support bracket 2 to fold. At last, the upper edge 451 of the  $\Sigma$ -shaped frame 45 is held in the notch 91 again and the support bracket 2 is folded to its original position.

[0021] Compared with the prior art, first, the golf bag of the present invention has no chamfer at the bottom of the bag body, so its appearance gives audience a feeling of whole, and the bottom of the bag body has a bigger area than that of the traditional golf bag. Secondly, when the golf bag is vertically placed, the contact area with the ground becomes bigger because the bottom area of the bag body becomes bigger, so the golf bag will be more steady when placed; when the golf bag is placed slantways, it is more stable when placed because the whole bottom surface of bag body and the support bracket 2 both contact with the ground. In addition, because the position of the top frame 3 and the middle frame 4 is relatively changeless, so the outer wrappage therebetween can be crease-resistant; when the golf bag is tilted, because change only happens at the distance between one end of the middle frame 4 and the bottom frame 5, so the wrinkle of the outer wrappage is all collected in the tiny space between the middle frame 4 and the bottom frame 5, and this wrinkle can be concealed by mounted a decorative cover on the outer wrappage so as to improve the appearance of the golf bag when it is tilted.

[0022] It is understood that the invention may be embodied in other forms without departing from the spirit thereof. Thus, the present example and embodiment are to be considered in all respects as illustrative and not restrictive, and the invention is not to be limited to the details given herein.